

State and Regional Responses to Global Warming :

Perspectives from Washington State

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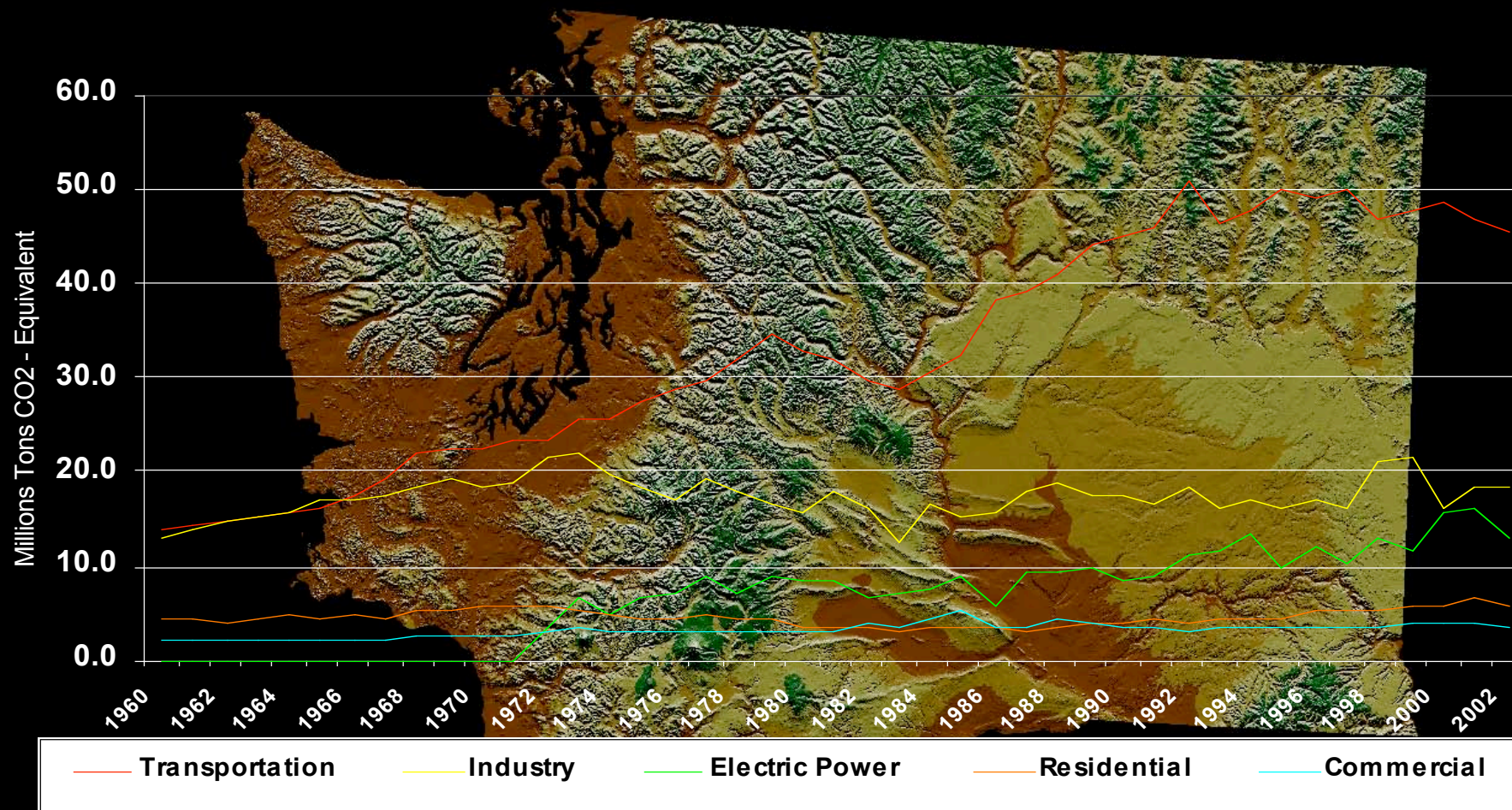
STATE OF WASHINGTON
DEPARTMENT OF COMMUNITY,
TRADE AND ECONOMIC DEVELOPMENT

Why are State and Regions Acting?

- Realization of Climate Change Impacts
- Lack of Serious Federal Response
- Ability of States/Regions to Take Action
- Desire of States/Regions to Influence Federal Actions

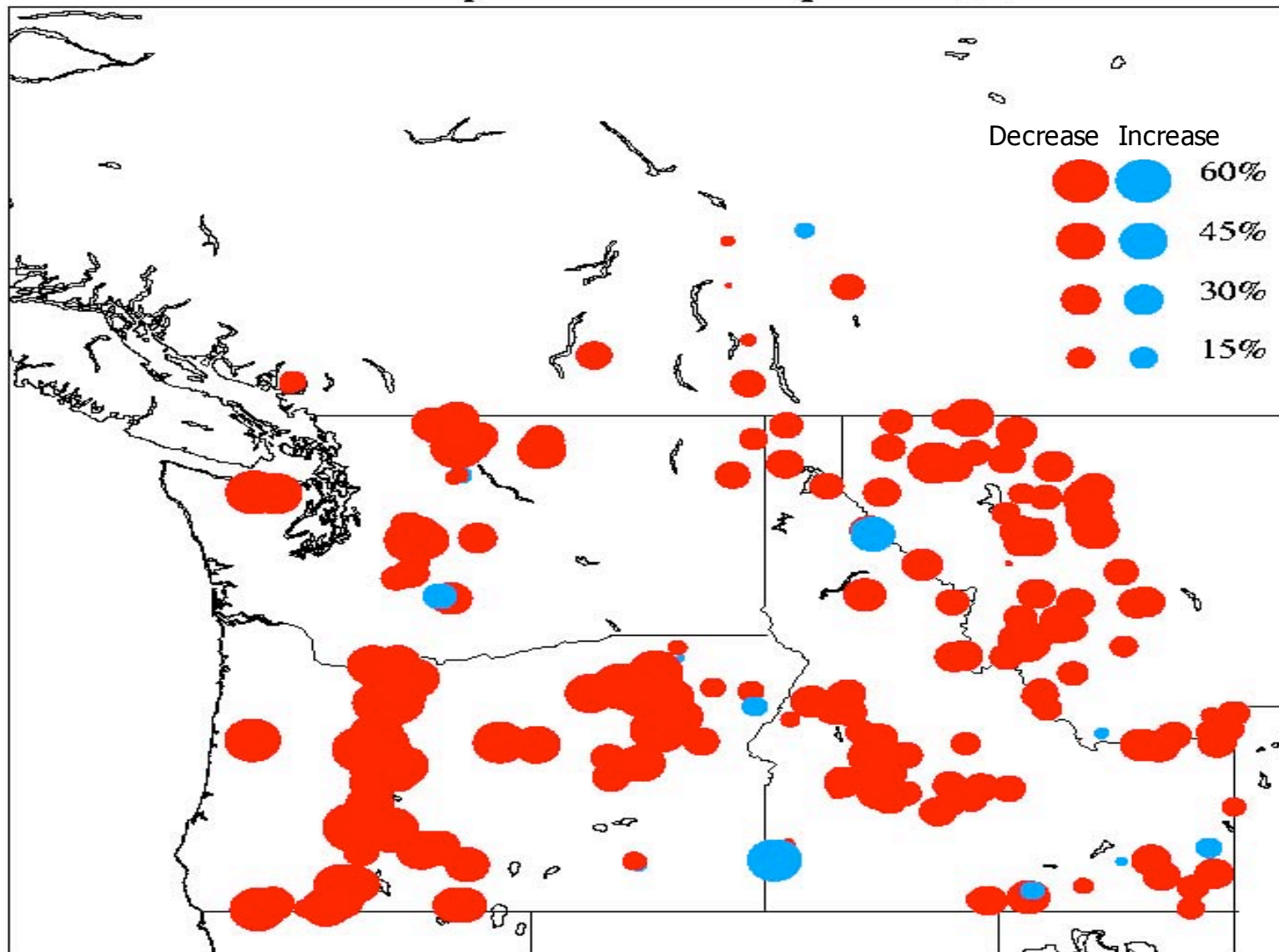


Washington State Historical Trends of CO-Equivalent Emissions by Sector

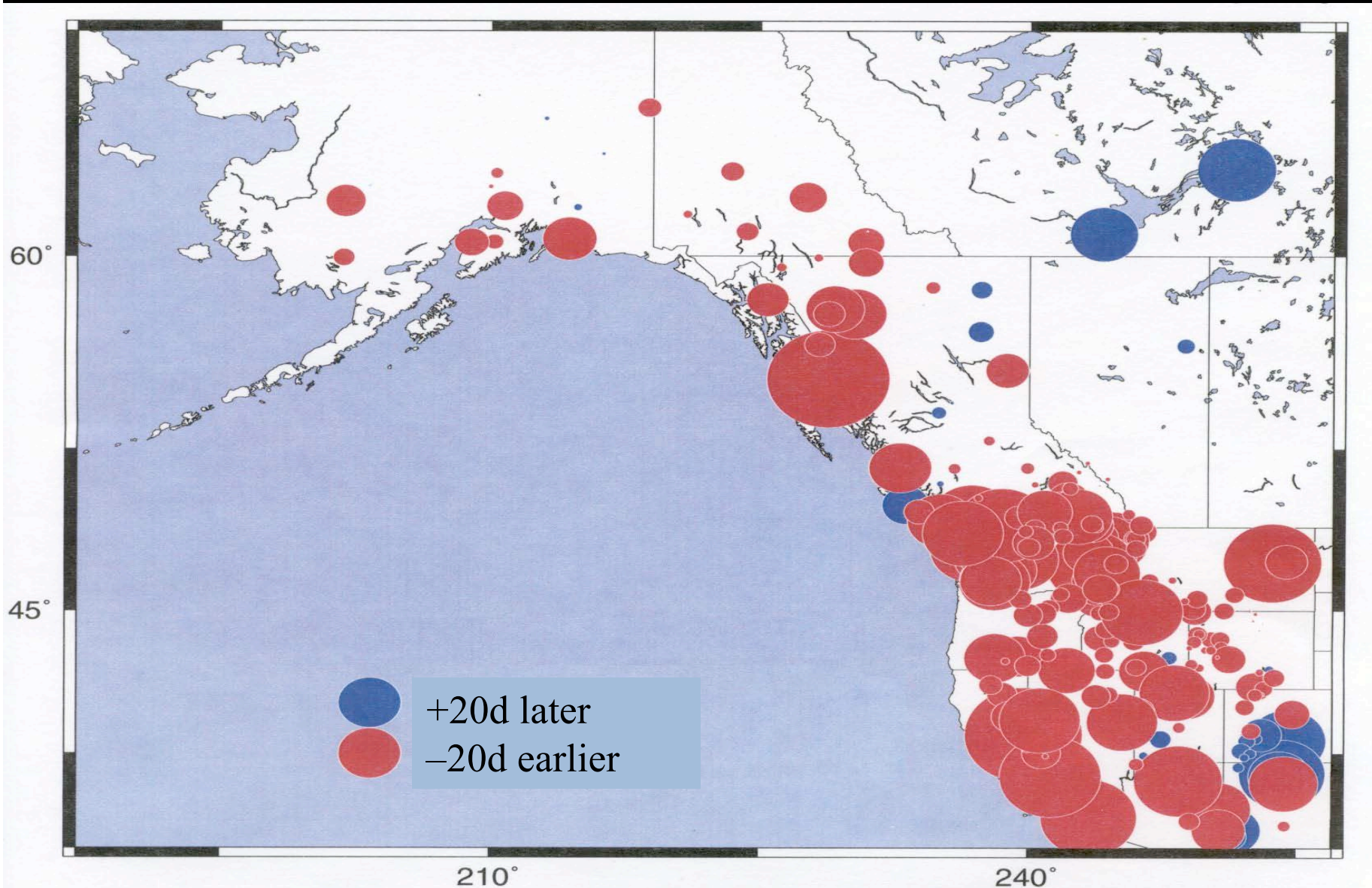


Historic Trends – Less Snow

Relative trend in Apr 1 snow water equivalent, 1950-2000



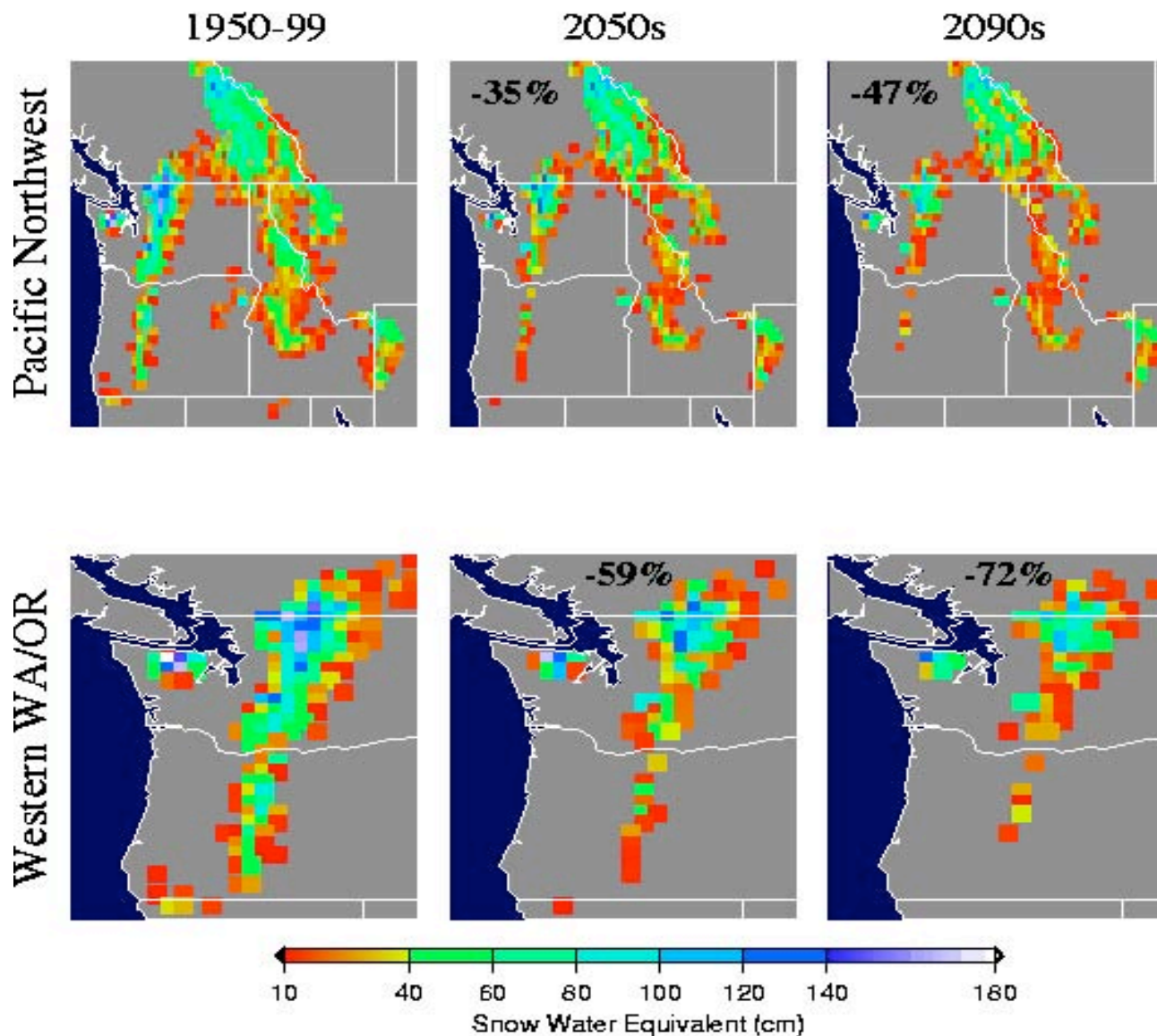
Trends in Timing of Spring Snowmelt (1948-2000)



Courtesy of Mike Dettinger, Iris Stewart, Dan Cayan

Future Impact : Less Snow

April 1 Snowpack Projections



Less snow,
earlier melt:

☁ More water
in winter

✳ Less water
in summer

*April 1 Snow Extent for the
Columbia River Basin*

Climate Protection Advisory Committee

GHG Emission Savings

(millions metric tons CO₂e)

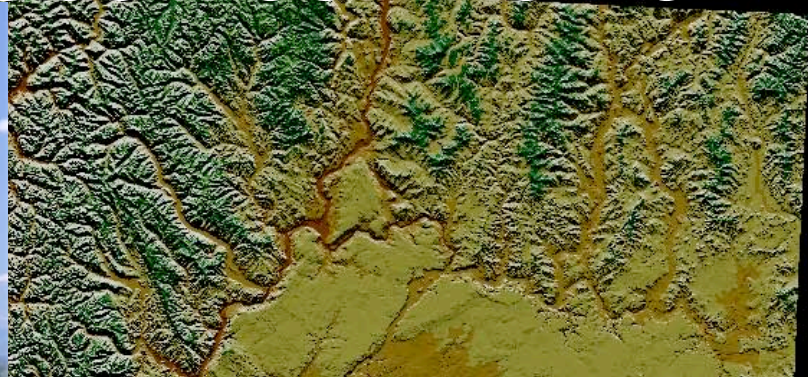
Sector	2010	2020
Buildings, Facilities, Electricity Supply	2.9	7.9
Transportation	0.8	4.9
Agriculture, Forestry, Waste	2.3	3.9
Total	6.0	16.6

Recent Policy Actions

- Power Plant GHG Reduction Requirements
- Product Efficiency Standards
- CA Vehicle Emissions Standards
- LEED Silver Standards for Public Buildings
- Biofuels Incentives and Markets

Electricity Savings Equal to “Two Seattles”

More Than “Two Seattles” Remaining



California Actions

- 
- Continue Strong Commitment to West Coast Governors Global Warming Initiative
 - Maintain and Enhance Efforts on Clean Cars, Energy Efficiency (Products, Building Codes)
 - Signal Desire for Low/No Carbon Electricity Resources